

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits    | Search Query   | DBs                  | Default Operator | Plurals | Time Stamp          |
|-------|---------|--|----------------------|------------------|---------|---------------------|
| L1    | 495     | fetzner.xa.  | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>08:50 |
| L2    | 302     | L1 and (basis or eigen\$ or vector)  | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>08:50 |
| L3    | 86      | 2 and model\$9   | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>08:51 |
| L4    | 54      | 3 and (move\$9 or motion)  | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>08:51 |
| L5    | 2158    | kruger.in.   | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>08:51 |
| L6    | 0       | 1 and 5  | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>08:51 |
| L7    | 5183873 | @ad<="20050119"  | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>08:53 |
| L8    | 33      | 4 and L7   | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>08:53 |
| L9    | 10026   | meg or magnetoencephal\$9  | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>09:56 |
| L10   | 591     | 9 same (move\$8 or motion or artifact or perturbation or interference)                   | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>09:58 |
| L11   | 1610    | 9 same4 (move\$8 or motion or artifact or perturbation or interference)                  | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>09:58 |
| L12   | 399     | 11 same4 model\$6  | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>09:59 |
| L13   | 181     | 7 and 12   | US-PGPUB;<br>USPAT   | OR               | ON      | 2011/07/06<br>09:59 |
| S1    | 4       | US-5494035-\$.DID. OR US-4793355-\$.DID. OR US-5408178-\$.DID. OR US-20020151779-\$.DID. | US-PGPUB;<br>USPAT   | OR               | ON      | 2010/09/29<br>09:46 |
| S2    | 10      | ((SAMU) near2 (TAULU)).INV.  | US-PGPUB;<br>USPAT   | OR               | ON      | 2010/09/29<br>09:49 |
| S3    | 10      | ((MATTI) near2 (KAJOLA)).INV.  | US-PGPUB;<br>USPAT   | OR               | ON      | 2010/09/29<br>09:49 |
| S4    | 19      | ((JUHA) near2 (SIMOLA)).INV.   | US-PGPUB;<br>USPAT   | OR               | ON      | 2010/09/29<br>09:50 |
| S5    | 11      | ((SAMU) near2 (TAULU)).INV.  | EPO; JPO;<br>DERWENT | OR               | ON      | 2010/09/29<br>09:50 |
| S6    | 13      | ((MATTI) near2 (KAJOLA)).INV.  | EPO; JPO;<br>DERWENT | OR               | ON      | 2010/09/29<br>09:50 |
| S7    | 22      | ((JUHA) near2 (SIMOLA)).INV.   | EPO; JPO;<br>DERWENT | OR               | ON      | 2010/09/29<br>09:50 |
| S9    | 715     | 702/66.ccls.   | US-PGPUB;<br>USPAT   | OR               | ON      | 2010/09/29<br>10:14 |

|     |         |  |                           |    |    |                     |
|-----|---------|--|---------------------------|----|----|---------------------|
| S10 | 610     | 324/244.ccls.  | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>13:09 |
| S11 | 473     | 324/248.ccls.  | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>13:09 |
| S12 | 1044    | S10 or S11   | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>13:10 |
| S13 | 2770135 | interference or noise or movement  | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>14:41 |
| S14 | 780     | S12 and S13  | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>14:42 |
| S15 | 81573   | DC near current  | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>14:42 |
| S16 | 6006    | S13 same S15   | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>14:42 |
| S17 | 40      | S12 and S16  | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>14:43 |
| S18 | 5166866 | @ad<="20050119"  | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>14:43 |
| S19 | 36      | S17 and S18  | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>14:44 |
| S20 | 26      | ("3980076"   "4079730"   "4827217"<br>  "4859943"   "4969496"  <br>"5073858").PN. OR ("5408178").<br>URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/09/29<br>14:50 |
| S21 | 7       | S20 and biomagnetic\$5   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/09/29<br>14:51 |
| S22 | 396693  | (noise or movement or error) near5<br>(cancel\$7 or elimin\$7 or correct\$7)                               | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/09/29<br>15:06 |
| S23 | 205     | S12 and S22  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/09/29<br>15:06 |
| S24 | 164     | S18 and S23  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/09/29<br>15:06 |
| S25 | 55      | S24 and biomagnetic  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/09/29<br>15:07 |
| S31 | 1       | "20040097804".pn.  | US-PGPUB;<br>USPAT        | OR | ON | 2010/09/29<br>17:11 |
| S32 | 1       | 10/586448.app.   | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>11:36 |
| S33 | 1       | "20070055150".pn.  | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>11:45 |
| S34 | 1       | "5408178".pn.  | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>11:54 |
| S35 | 4       | US-5494035-\$.DID. OR US-4793355-<br>\$.DID. OR US-5408178-\$.DID. OR US-<br>20020151779-\$.DID.           | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>12:10 |
| S36 | 0       | S35 and harmonic   | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>12:10 |
| S37 | 611     | 324/244.ccls.  | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>12:11 |
| S38 | 473     | 324/248.ccls.  | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>12:11 |

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|-----|---------|--|---------------------------|----|----|---------------------|
| S39 | 1045    | S37 or S38   | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>12:11 |
| S40 | 3       | S39 and (spherical near harmonic)                  | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>12:11 |
| S41 | 5166874 | @ad<="20050119"                                    | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>12:11 |
| S42 | 2       | S40 and S41  | US-PGPUB;<br>USPAT        | OR | ON | 2010/10/01<br>12:11 |
| S43 | 322     | 600/409.ccls.                                      | US-PGPUB;<br>USPAT        | OR | ON | 2011/05/21<br>23:49 |
| S44 | 658     | 324/244.ccls.                                      | US-PGPUB;<br>USPAT        | OR | ON | 2011/05/21<br>23:49 |
| S45 | 1       | 10/586448.app.                                     | US-PGPUB;<br>USPAT        | OR | ON | 2011/06/08<br>10:19 |
| S46 | 5       | ((SAMU) near2 (TAULU)).INV.                        | USPAT                     | OR | ON | 2011/06/08<br>11:04 |
| S47 | 11      | ((SAMU) near2 (TAULU)).INV.                        | US-PGPUB;<br>USPAT        | OR | ON | 2011/06/08<br>11:04 |
| S48 | 3       | ("5729129"   "5747996"   "6188355").<br>PN.        | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:12 |
| S49 | 16      | magnetoencepho\$9                                  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:31 |
| S50 | 873     | magnetoencepha\$9                                  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:31 |
| S51 | 13599   | magnetoencepha\$9 or meg                           | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:32 |
| S52 | 1665    | S51 same (motion or movement or<br>moving or move) | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:32 |
| S53 | 5186464 | @ad<="20050123"                                    | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:33 |
| S54 | 0       | S53 same (model\$8)                                | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:34 |
| S55 | 38      | S52 same (model\$8)                                | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:34 |
| S56 | 120     | S52 same7 (model\$8)                               | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:34 |
| S57 | 52      | S53 and S56  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>11:34 |
| S58 | 1       | "7004906".pn.                                      | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>12:30 |
| S59 | 10688   | signal near space                                  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>15:19 |
| S60 | 70      | S59 near4 separation                               | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>15:19 |
| S61 | 21      | S53 and S60  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/06/08<br>15:20 |
| S62 | 9242    | signal near space                                  | US-PGPUB;<br>USPAT        | OR | ON | 2011/06/09<br>12:58 |
| S63 | 179     | S62 same separation                                | US-PGPUB;<br>USPAT        | OR | ON | 2011/06/09<br>12:59 |
| S64 | 4659096 | @ad<="20040123"                                    | US-PGPUB;<br>USPAT        | OR | ON | 2011/06/09<br>13:11 |

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|-----|---------|--|--------------------|----|----|---------------------|
| S65 | 85      | S63 and S64  | US-PGPUB;<br>USPAT | OR | ON | 2011/06/09<br>13:11 |
| S66 | 68      | S62 near7 separation                                     | US-PGPUB;<br>USPAT | OR | ON | 2011/06/09<br>13:11 |
| S67 | 22      | S66 and S64  | US-PGPUB;<br>USPAT | OR | ON | 2011/06/09<br>13:11 |
| S68 | 147     | oct same ((environment\$5 near<br>chamber) or incubator) | US-PGPUB;<br>USPAT | OR | ON | 2011/06/09<br>14:16 |
| S69 | 1       | S68 and (optical near coherence)                         | US-PGPUB;<br>USPAT | OR | ON | 2011/06/09<br>14:17 |
| S70 | 1370    | (in near vivo) same ((optical near<br>coherence) or oct) | US-PGPUB;<br>USPAT | OR | ON | 2011/06/09<br>14:18 |
| S71 | 359     | (in near vivo) same ((optical near<br>coherence) )       | US-PGPUB;<br>USPAT | OR | ON | 2011/06/09<br>14:18 |
| S72 | 130     | S64 and S71  | US-PGPUB;<br>USPAT | OR | ON | 2011/06/09<br>14:18 |
| S73 | 19      | meg near separat\$5                                      | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>12:31 |
| S74 | 5183873 | @ad<="20050119"  | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>12:32 |
| S75 | 7       | S74 and S73  | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>12:32 |
| S76 | 9934    | meg or magnetoencephalography                            | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>12:33 |
| S77 | 3534    | 600/407-409.ocls.  | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>12:43 |
| S78 | 286     | 324/301-302.ocls.  | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>12:43 |
| S79 | 5331    | 324/244-263.ocls.  | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>12:43 |
| S80 | 8983    | S77 S78 S79  | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>12:43 |
| S81 | 41341   | position near track\$5                                   | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>13:11 |
| S82 | 6270    | S81 same (vector\$6 or space or field<br>or static)      | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>13:12 |
| S83 | 2       | fetzner.in.  | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>15:06 |
| S84 | 495     | fetzner.xa.  | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>15:11 |
| S85 | 9       | S84 and concatenat\$4                                    | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>15:11 |
| S86 | 477     | brittain.in.   | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>15:37 |
| S87 | 4       | S84 and S86  | US-PGPUB;<br>USPAT | OR | ON | 2011/07/05<br>15:37 |

**EAST Search History (Interference)**

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**7/ 6/ 2011 12:45:20 PM**

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